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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

Only for new nonprovisional applications under 37 CFR 1.53(h)

Attorney Docket No. 06192.0204.NPUS00

First Named Inventor or Application Identifier Joong-Hyun Moon

Title Liquid Crystal Display Having Wide Viewing Angle

Express Mail Label No.

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ \*Fee Transmittal Form (Form PTO-1082)  
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages 18 ]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross References to Related Applications  
- Statement Regarding Fed sponsored R&D  
- Reference to Microfiche Appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claims  
- Abstract of the Disclosure
3. ☒ Drawing(s) (35 USC 113) [Total Sheets 3 ]
4. Oath or Declaration [Total Pages 3 ]  
a. ☒ Newly executed (original or copy)  
b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)  
[Note Box 5 below]  
i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named  
in the prior application, see 37 CFR 1.63(d)(2) and  
1.33(b).
5. ☐ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy  
of the oath or declaration is supplied under Box 4b, is considered  
as being part of the disclosure of the accompanying application  
and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a. ☐ Computer Readable Copy  
b. ☐ Paper Copy (identical to computer copy)  
c. ☐ Statement verifying identity of above  
copies

**ACCOMPANYING APPLICATION PARTS**

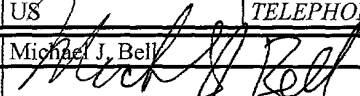
8. ☒ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503) (Two)  
(should be specifically itemized)
14. ☐ \*Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired
15. ☒ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Other:

\*NOTE FOR ITEMS 1 &amp; 14 IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 CFR § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 CFR § 1.28)

**17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:**☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: /

Prior Application Information: Examiner: Group/Art Unit:

**18. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label 22930 or ☐ Correspondence address below  
(Insert Customer No. or Attach bar code label here)

NAME	Michael J. Bell				
	HOWREY SIMON ARNOLD & WHITE, LLP				
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	1299 Pennsylvania Avenue, N.W.				
CITY	Washington	STATE	DC	ZIP CODE	20004-2402
COUNTRY	US	TELEPHONE	202-783-0800	FAX	202-383-7195
Name (Print/Type)	Michael J. Bell			Registration No. (Attorney/Agent)	39,604
Signature				Date	October 5, 2001

Burden Hour Statement This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

**HOWREY SIMON ARNOLD & WHITE, LLP**  
**Box No. 34**  
**1299 Pennsylvania Avenue, NW**  
**Washington, DC 20004-2402**  
**(202) 783-0800**

Attorney Docket No. **06192.0204.NPUS00**

ASSISTANT COMMISSIONER FOR PATENTS  
 Washington, DC 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventor: **Joong-Hyun MUN and Jang-Kun SONG**For: **LIQUID CRYSTAL DISPLAY HAVING WIDE VIEWING ANGLE**

Enclosed is a new application comprising:

- ☒ A specification containing: **13** pages of description prior to the claims; **4** pages of claims (8 claims); a one (1) page abstract; **3** sheets of drawings (**Figures 1, 2 and 3**)
- ☒ PTO SB/05

The filing fee has been calculated as shown below:

	(Col. 1)	(Col. 2)
FOR	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	8-20 =	* 0
INDEP. CLAIMS	3-3 =	* 0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED		

\*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

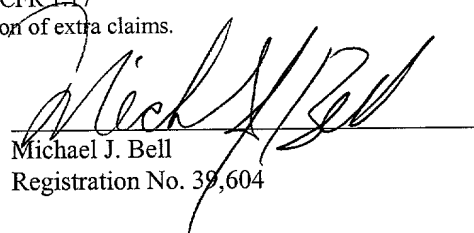
SMALL ENTITY	
RATE	
	\$ 345.00
x 9 =	
x 39 =	
+ 130 =	
TOTAL	

OTHER THAN A SMALL ENTITY	
RATE	FEE
	\$ 740.00
x 18 =	-0-
x 84 =	-0-
+ 270 =	
TOTAL	<b>\$740.00</b>

- ☒ A check in the amount of **\$740.00** to cover the basic filing fee is enclosed.
- ☒ The U.S. Patent and Trademark Office is hereby authorized to charge payment of any extra claim and the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 08-3038 referencing docket number 06192.0204.NPUS00. *A copy of this sheet is enclosed.*

- ☒ Any patent application processing fees under 37 CFR 1.17
- ☒ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Date October 5, 2001

  
 Michael J. Bell  
 Registration No. 39,604

October 5, 2001

**Box New Applications**

Assistant Commissioner for Patents  
Washington, DC 20231

Re: New Utility Non-Provisional U.S. Patent Application  
Application No. **TO BE ACCORDED** Filed **HEREWITH**  
Title: **LIQUID CRYSTAL DISPLAY HAVING WIDE VIEWING ANGLE**  
Inventors: Joong-Hyun MUN, *et al.*  
Our Ref: 06192.0204.NPUS00

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. Form PTO SB/05;
2. Form PTO 1082;
3. U.S. Utility Patent Application entitled:

**LIQUID CRYSTAL DISPLAY HAVING WIDE VIEWING  
ANGLE**

and naming as inventors: **Joong-Hyun MUN**  
**Jang-Kun SONG**

the application consisting of:

- a. A specification containing:
  - (i) **13** pages of description prior to the claims;
  - (ii) **4** pages of claims (**8** claims);
  - (iii) a **one** (1) page abstract;

- b. **3** sheets of drawings: (**Figures 1, 2 and 3**);

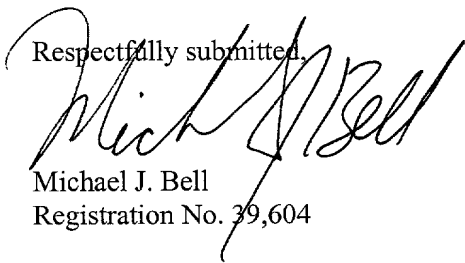
4. Executed Combined Declaration-Power Attorney;
5. Executed Assignment, PTO 1595 Assignment Recordation Sheet and Check No. 002475 to cover the Assignment Recordation fee;

6. Claim for Priority and certified copy of Korean Patent No. 2001-1791 filed January 12, 2001;
7. Check No. 002476 in the amount of \$740.00 to cover the Basic Application Filing Fee;
8. Two (2) return postcards

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3038 referencing docket number 06192.0204.NPUS00. *A copy of this letter is enclosed.*

Respectfully submitted,

  
Michael J. Bell  
Registration No. 39,604

Enclosures

06192.0204.NPUS00